

OPEN DUMP EVALUATION CRITERIA

PART I – FLOOD PLAINS

1. Is the solid waste applied to the land surface and incorporated into the soil for the purpose of beneficial utilization as a soil conditioner or

<input type="checkbox"/>	Yes – Complies
<input type="checkbox"/>	Waste incorporated into soil
<input type="checkbox"/>	Waste used as fertilizer/conditioner
<input type="checkbox"/>	No – Continue to 2

2. Is the site located in the base flood floodplain?

<input type="checkbox"/>	Yes – Continue to 3
<input type="checkbox"/>	Stated in permit
<input type="checkbox"/>	In designated floodplain
<input type="checkbox"/>	Computation of flood flow/level
<input type="checkbox"/>	No -- Complies

3. Does the site restrict the flow of the base flood or reduce temporary water storage capacity?

<input type="checkbox"/>	Yes –Does not comply— Continue to 4
<input type="checkbox"/>	Site has filled the floodplain or is diked up to or above base flood level
<input type="checkbox"/>	Site is below floodplain grade
<input type="checkbox"/>	Site is located in a floodplain where channel is diked to contain the base flood level
<input type="checkbox"/>	Site increases base flood level
<input type="checkbox"/>	No – Continue to 4

4. Is the site protected from washout by the base flood?

<input type="checkbox"/>	Yes – Complies
	Degree of Protection
<input type="checkbox"/>	Dike or levee
<input type="checkbox"/>	Berm
<input type="checkbox"/>	Riprap
<input type="checkbox"/>	Flood flow velocity
<input type="checkbox"/>	Diversion of flow
<input type="checkbox"/>	No – Does not comply – No or inadequate protection

DEQ Form SW 4-1

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PART II -- SURFACE WATER

1. Is there a point source discharge of pollutants to surface waters?

<input type="checkbox"/>	Yes -- Continue to 2
<input type="checkbox"/>	Site has VPDES permit
<input type="checkbox"/>	Discharge from leachate collection system
<input type="checkbox"/>	Discharge from leachate treatment system
<input type="checkbox"/>	Discharge of solid waste to surface water
<input type="checkbox"/>	Surface impoundment with discharge
<input type="checkbox"/>	Landspreading discharge
<input type="checkbox"/>	Landspreading in or into surface waters
<input type="checkbox"/>	No -- Continue to 2

2. Does the site violate requirements for VPDES permit?

<input type="checkbox"/>	Yes -- Does not comply
<input type="checkbox"/>	Violates VPDES permit
<input type="checkbox"/>	Discharge without VPDES permit
<input type="checkbox"/>	No -- Continue to 3
<input type="checkbox"/>	Operates under VPDES permit
<input type="checkbox"/>	Has applied for VPDES permit

3. Is there discharge of dredge or fill materials to surface waters?

<input type="checkbox"/>	Yes -- Continue to 5
<input type="checkbox"/>	No -- Continue to 4

4. Is there non-point source discharge from the site?

<input type="checkbox"/>	Yes -- Does not comply
<input type="checkbox"/>	Leachate leakage or spill over
<input type="checkbox"/>	Solid waste spillage or wash
<input type="checkbox"/>	Other -- see Remarks
<input type="checkbox"/>	No -- Continue to 5

5. Does the site cause non-point pollution of surface waters?

<input type="checkbox"/>	Yes--Does not comply
<input type="checkbox"/>	No--Complies

Remarks:

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PART III - GROUNDWATER

1. Does the site have installed a groundwater monitoring system?

☐ Yes -- Continue to 2

☐ No -- Continue to Part IV

2. Is groundwater unusable as a human drinking water source?

☐ Yes -- Complies

☐ Groundwater is not present beneath the site

☐ Groundwater has > 10,000 mg/lit TDS and is not used as a human drinking water source

☐ Groundwater is not present in usable quantities beneath the site

☐ No -- Continue to 3

3. Does site have substantial potential for groundwater contamination?

☐ Yes -- Continue to 4

☐ Site overlies sole source aquifer

☐ Site overlies aquifer recharge

☐ Site has leachate problem history

☐ Saturated zone permeability > 10^{-7} cm/sec

☐ Unsaturated zone < 3 feet

☐ Unsaturated zone permeability > 10^{-5} cm/sec

☐ Disposal site does not have liner with leachate collection system or leachate containment

☐ No--Continue to 4

4. Has groundwater under the site been contaminated beyond the solid waste boundary or alternate boundary?

☐ Yes -- Does not comply

☐ Groundwater monitoring results show contamination from the site

☐ No -- Complies

☐ Site does not overlie a drinking water source

☐ Monitoring shows no contamination beyond the solid waste boundary

Remarks:

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PART IV DISEASE VECTORS

Does the site control the on-site population of disease vectors?

<input type="checkbox"/>	Yes -- Complies
Landfills:	
<input type="checkbox"/>	Site applied daily cover
<input type="checkbox"/>	Site is not required to apply daily cover
<input type="checkbox"/>	Site employs regular application of insecticides
<input type="checkbox"/>	No Visible Evidence of flies, rats or other pests
Other sites:	
<input type="checkbox"/>	No visible evidence of files, rats, or other pests
<input type="checkbox"/>	Proper site sanitation employed
<input type="checkbox"/>	No accumulation of putrescible solid waste
<input type="checkbox"/>	Effective pest control program
<input type="checkbox"/>	No -- Does not comply

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PART V - OPEN BURNING

1. Is open burning of solid wastes practiced at the site?

☐ Yes -- Continue to 2

☐ Records of previous open burning

☐ Visual observation of open burning

☐ Evidence of previous open burning

☐ Open burning with a permit

☐ No -- Complies

2. Is open burning of solid waste occurring from emergency clean up or from open burning of ordinance?

☐ Yes -- Continue 3

☐ Records of previous open burning

☐ Visual observation of open burning

☐ Evidence of previous open burning

☐ Open burning with a permit

☐ No -- Continue to 3

3. Does the site control air emissions in accordance with standards and permit conditions established by the Air Pollution Control Board?

☐ Yes -- Complies

☐ No -- Does not comply

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PART VI - SAFETY: LANDFILL GAS

1. Is methane generated?

<input type="checkbox"/>	Yes – Continue to 2
<input type="checkbox"/>	Landfill with organic waste
<input type="checkbox"/>	No – Complies
<input type="checkbox"/>	Landfill with no organic waste
<input type="checkbox"/>	Landfill less than one year old

2. Is methane prevented from migrating beyond the property boundary and accumulating in site structure?

<input type="checkbox"/>	Yes -- Complies
<input type="checkbox"/>	Site located on impervious rock
<input type="checkbox"/>	Site located on saturated soil or surrounded by surface water
<input type="checkbox"/>	Site has gas venting or recovery system
<input type="checkbox"/>	Site with current monitoring records showing no migration of methane
<input type="checkbox"/>	No -- Does not comply -- Continue to 3

3. Site ranked as having substantial potential for methane hazard

<input type="checkbox"/>	History of methane-related fires or explosions
<input type="checkbox"/>	Monitoring results indicate a migration problem
<input type="checkbox"/>	Structure within 1200 feet and site located over permeable soils
<input type="checkbox"/>	Vegetation stress within 1200 feet

Remarks:

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PART VII SAFETY: FIRES

1. Does site have a potential for fire occurrence?

	Yes – Continue to 2
	No -- Complies

2. Is periodic cover applied so as to reduce the risk of fire?

	Yes – Complies
	The site applies and compacts cover at the end of the operating day
	The site applies and compacts cover at least once every 24 hours
	The site incorporates all solid waste into the soil at the end of operating day
	No – Continue to 3

3. Does the site have adequate operating procedures to control fires should they occur?

	Yes – Complies
	Site conducts open burning in accordance with permit
	Open burning in approved areas only
	Established arrangements with local fire department
	Earth stockpile near the burning area
	On-site availability of heavy equipment to extinguish fires
	Water supply under adequate pressure is available
	Firebreaks or fire lanes are present
	Previous inspections and reports indicate no problem
	Permit conditions being followed
	No complaints
	Hot or burning loads not received or unloaded
	No – Does not comply

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PART VIII - SAFETY: BIRD HAZARD

1. Is the site within the specified distance of an airport?

	Yes – Continue to 2
	10,000 feet from airport used by turbojet aircraft
	5,000 feet from airport used by piston aircraft
	No -- Complies

2. Does the site receive putrescible waste?

	Yes – Continue to 3
	Food waste
	Sewage sludge
	Animal carcasses
	Other --
	No - Complies

3. Does the site pose a bird hazard to aircraft?

	Yes – Does not comply
	Bird population at site greater than natural in the area
	Site attracts birds
	There is bird hazard at airport from outside source
	Bird fly pattern shows birds flying from site to the airport area
	No – Complies
	Bird population less than natural in the area
	Bird attraction due to the airport facility
	Bird fly pattern does not show birds flying from site to the airport area
	Site does not attract birds